

Attorney Docket No.: 5248.210-US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Charlotte Johansen Confirmation No: 3908

Serial No.: 09/768,803

Group Art Unit: 1651

Filed: January 24, 2001

Examiner: I. Marx

For: Antimicrobial Composition Containing A Haloperoxidase, A Hydrogen Peroxide Source, A Halide Source And An Ammonium Source

AMENDMENT FEE TRANSMITTAL

Commissioner for Patents
Washington, DC 20231

Sir:

Transmitted herewith is an Amendment for the above-identified application in response to the Office Action mailed February 25, 2002.

It is respectfully requested that the time for response to the Office Action be extended for a period of 3 months from May 25, 2002 to August 26, 2002 (August 25th was a Sunday). The required fee for the extension is estimated to be \$920.

The fee for claims has been calculated as shown below:

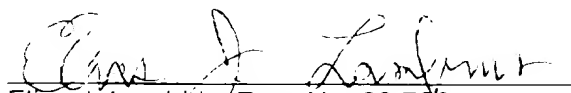
Total: $21 - 24 = 0 \times 18 = \0 Independent: $4 - 3 = 1 \times 84 = \$84$

Total additional fee for claims required is \$84.

Please charge the required extension and claims fees, estimated to be \$1004, to Novozymes North America, Inc., Deposit Account No. 50-1701. A duplicate of this sheet is enclosed.

Respectfully submitted,

Date: August 26, 2002



Elias J. Lambiris, Reg. No. 33,728
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Attorney Docket No.: 5248.210-US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Charlotte Johansen

Confirmation No: 3908

FAX RECEIVED

Serial No.: 09/768,803

Group Art Unit: 1651

AUG 26 2002

Filed: January 24, 2001

Examiner: I. Marx

GROUP 1600

For: Antimicrobial Composition Containing A Haloperoxidase, A Hydrogen Peroxide Source, A Halide Source And An Ammonium Source

CERTIFICATE OF FACSIMILE TRANSMISSION

Commissioner for Patents
Washington, DC 20231

Sir:

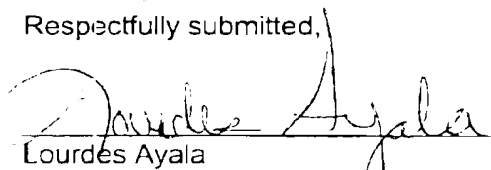
I hereby certify that the attached correspondence comprising:

1. Amendment Fee Transmittal (in duplicate)
2. Amendment

was sent to the United States Patent and Trademark Office by telefax to the attention of Examiner I. Marx, fax number (703) 305-3592.

Respectfully submitted,

Date: August 26, 2002


Lourdes Ayala
Novozymes North America, Inc.
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New York, NY 10110
(212) 840-0097

Attorney Docket No.: 5248.210-US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Charlotte Johansen Confirmation No: 3908

Serial No.: 09/768,803

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Filed: January 24, 2001

Examiner: I. Marx

For: Antimicrobial Composition Containing A Haloperoxidase, A Hydrogen Peroxide Source, A Halide Source And An Ammonium Source

AMENDMENT UNDER 37 C.F.R. 1.111Commissioner for Patents
Washington, DC 20231

Sir:

In response to the Office Action mailed February 25, 2002, please amend the above-identified application as follows:

IN THE CLAIMS:

Please cancel claims 1-24 without prejudice or disclaimer. Please add new claims 25-45:

25. A method of inhibiting the growth of microorganisms, comprising contacting the microorganisms with a composition comprising (a) a haloperoxidase at a concentration in the range of 0.01-100 mM, a hydrogen peroxide source at a concentration in the range of 0.01-1000 mM, a halide source at a concentration in the range of 0.01-1000 mM, and an ammonium source at a concentration in the range of 0.01-1000 mM, wherein the ammonium source is an ammonium salt or a C-1-14-alcohol amine.

26. The method of claim 25, wherein the concentration of the haloperoxidase is in the range of 0.05-50, the concentration of the halide source is 0.05-500 mM, and the concentration of the ammonium source is 0.05-500 mM.

27. The method of claim 25, wherein the haloperoxidase is a vanadium haloperoxidase.